

Claims:

1. A liquid toner digital press imaging composition, characterized in that the composition contains, in addition to the toner, a security ingredient which is a reactant reactable in use with a complementary reactant carried by a printable substrate so as to be detectably retained in or on the substrate in the event of fraudulent alteration or removal of the image produced by the toner.
2. A liquid toner digital press imaging composition as claimed in claim 1, wherein the security ingredient is a reactant reactable in use with a complementary reactant carried by the printable substrate so as to generate a coloured, fluorescent or chemically-detectable image in or on the substrate having the same configuration as the toner-printed image
3. A liquid toner digital press imaging composition as claimed in any preceding claim, wherein the said security ingredient is colourless.
4. A liquid toner digital press imaging composition as claimed in any preceding claim, wherein the said security ingredient is absorbed and/or wicked away by the substrate so as to produce a “halo” effect around the periphery of the toner image and/or an image on the opposite surface of the substrate.
5. A liquid toner digital press imaging composition as claimed in claims 3 or 4, wherein the said security ingredient is a colourless chromogenic material of the kind used for image generation in pressure-sensitive copying papers.
6. A liquid toner digital press imaging composition as claimed in claim 5, wherein the said colourless chromogenic material is selected from phthalides such as 3,3-bis (1-n-octyl-2-methylindol-3-yl) phthalide or 3,3-bis(4-dimethylaminophenyl)-6- dimethylaminophthalide, or from fluorans such as 3-diethylamino-6-methyl-7-

(2',4'-dimethylanilino) fluoran or 3-diethylamino-7-dibenzylaminofluoran, or mixtures thereof.

7. A liquid toner digital press imaging composition as claimed in claim 1, wherein the security ingredient is a magnetic or conductive material.
8. A liquid toner digital press imaging composition as claimed in any preceding claim, wherein more than one security ingredient is present.
9. A liquid toner digital press imaging system comprising a liquid toner digital press imaging composition and a printable substrate, characterized in that the imaging composition contains, in addition to the toner, a security ingredient which is a reactant reactable in use with a complementary reactant carried by the printable substrate so as to be detectably retained in or on the substrate in the event of fraudulent alteration or removal of the image produced by the toner.
10. A liquid toner digital press imaging system as claimed in claim 9, where the imaging composition is as claimed in any of claims 1 to 8.
11. A liquid toner digital press imaging system as claimed in claim 10, wherein when the security ingredient is a colourless chromogenic material of the kind used for image generation in pressure-sensitive copying papers, the printable substrate carries a colour developer of the kind used in such papers for developing the colour of the chromogenic material.
12. A liquid toner digital press imaging system as claimed in claim 11, wherein the colour developer is incorporated inside the substrate.
13. A liquid toner digital press imaging system as claimed in claim 12, wherein the colour developer is selected from acid-washed montmorillonite clays; or phenolic resins, or organic acids or metal salts thereof, or salicylated phenolic resins, or mixtures thereof.

14. A liquid toner digital press imaging system as claimed in one of claims 9 to 13, wherein the printable substrate carries sensitizers or other conventional security chemicals.
15. A liquid toner digital press imaging system as claimed in one of claims 9 to 14, wherein the substrate is a natural paper or a synthetic paper.
16. An anticounterfeiting method against fraudulent alteration or removal of the image produced by the toner on a substrate, using a liquid toner press imaging system according to one of claims 9 to 15.